

Title (en)
METHOD FOR PURIFYING ANTIBODY PROTEIN

Title (de)
VERFAHREN ZUR AUFREINIGUNG VON ANTIKÖRPERPROTEIN

Title (fr)
PROCÉDÉ DE PURIFICATION D'UNE PROTÉINE D'ANTICORPS

Publication
EP 2987801 A4 20160817 (EN)

Application
EP 14785266 A 20140415

Priority

- JP 2013086123 A 20130416
- JP 2013221510 A 20131024
- JP 2014032149 A 20140221
- JP 2014060677 W 20140415

Abstract (en)
[origin: EP2987801A1] A method for purifying a biologically active substance from a solution mixture containing impurities and the biologically active substance, in which an ion exchange chromatography carrier comprising a matrix and a copolymer containing at least N-isopropylacrylamide as a monomer unit and immobilized to a surface of the matrix is used, and the solution mixture is allowed to flow through a container storing the carrier at a uniform temperature, thereby recovering the biologically active substance.

IPC 8 full level
B01D 15/04 (2006.01); **B01D 15/08** (2006.01); **B01D 15/36** (2006.01); **B01J 20/24** (2006.01); **B01J 20/26** (2006.01); **B01J 20/281** (2006.01); **B01J 20/30** (2006.01); **B01J 20/34** (2006.01); **B01J 39/04** (2006.01); **B01J 39/16** (2006.01); **B01J 39/20** (2006.01); **B01J 39/26** (2006.01); **C07K 1/18** (2006.01); **C07K 1/22** (2006.01); **C08F 291/00** (2006.01); **G01N 30/26** (2006.01); **G01N 30/54** (2006.01); **G01N 30/88** (2006.01)

CPC (source: EP US)
B01D 15/361 (2013.01 - EP US); **B01D 15/362** (2013.01 - EP US); **B01D 15/38** (2013.01 - EP US); **B01D 15/3804** (2013.01 - EP US); **B01D 15/3809** (2013.01 - US); **B01D 15/3876** (2013.01 - EP US); **B01J 20/26** (2013.01 - EP US); **B01J 20/264** (2013.01 - EP US); **B01J 20/267** (2013.01 - EP US); **B01J 39/05** (2016.12 - EP US); **B01J 39/17** (2016.12 - EP US); **B01J 39/20** (2013.01 - EP US); **B01J 39/26** (2013.01 - EP US); **B01J 49/06** (2016.12 - EP US); **C07K 1/18** (2013.01 - EP US); **C07K 1/22** (2013.01 - US); **C07K 16/00** (2013.01 - US); **G01N 30/30** (2013.01 - EP US); **G01N 30/54** (2013.01 - EP US); **G01N 30/96** (2013.01 - EP US); **B01D 15/32** (2013.01 - EP US); **B01D 15/327** (2013.01 - EP US); **B01D 15/424** (2013.01 - EP US); **G01N 2030/8813** (2013.01 - EP US)

Citation (search report)

- [XP] EP 2653218 A1 20131023 - ASAHI KASEI MEDICAL CO LTD [JP]
- [X] WO 2010031144 A1 20100325 - COMMW SCIENT IND RES ORG [AU], et al
- See references of WO 2014171437A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2987801 A1 20160224; **EP 2987801 A4 20160817**; **EP 2987801 B1 20190612**; JP 6163541 B2 20170712; JP WO2014171437 A1 20170223; US 10400007 B2 20190903; US 2016083419 A1 20160324; WO 2014171437 A1 20141023

DOCDB simple family (application)
EP 14785266 A 20140415; JP 2014060677 W 20140415; JP 2015512479 A 20140415; US 201414785069 A 20140415